

FIGURE 3A

(A)

1 ccgagcgtgc ccgcggcgct gcccctctc ggggagctgc cccggctget gctgctggtg
61 ctgttggtgcc tgccggccgt gtggggtgac tgtggccttc cccagatgt acctaagcc
121 cagccagctt tggaaggccg tacaagtttt cccgaggata ctgtaataac gtacaaatgt
181 gaagaaagct ttgtgaaaat tcttgccgag aaggactcag tgacctgcct taagggcag
241 caatggtcag atattgaaga gttctgcaat cgtagctgcg aggtgccaac aaggctaat
301 tctgcatccc tcaaacagcc ttatatcact cagaattatt ttccagtcgg tactgtgtg
361 gaatatgagt gccgtccagg ttacagaaga gaaccttctc taccacaaa actaactigc
421 cttcagaatt taaatgggc cacagcagtc gaattttgta aaaagaaatc atgccctaat
481 ccgggagaaa tacgaaatgg tcagattgat gtaccaggtg gcatattatt tgggtgcaacc
541 atctccttct catgtaacac aggggtacaaa ttattggct cgacttctag ttttgtctt
601 atttcaggca gctctgtcca gtggagtgc cgttgccag agtgcagaga aatttattgt
661 ccagcaccac cacaattga caatggaata attcaagggg aacgtgacca ttatggatat
721 agacagtctg taacgtatgc atgtaataaa ggattcacca tgattggaga gcactctatt
781 tattgtactg tgaataatga tgaaggagag tggagtggcc caccacctga atgcagagga
841 aaatctctaa ctccaaggt cccaccaaca gtcagaaac ctaccacagt aaatgtcca
901 actacagaag tctaccaac ttctcagaaa accaccacaa aaaccaccac accaaatgt
961 caagcaacac ggagtacacc tgtttccagg acaaccaagc atttcatga aacaaccca
1021 aataaaggaa gtggaaccac ttcaggtact acccgtcttc tatctgggca cacgtgttc
1081 acgttgacag gtttgcttg gacgctagta accatgggct tgctgactta gccaaagaag
1141 agttaagaag aaaatacaca caagtataca gactgttctt agtttcttag acttatctgc
1201 atattggata aaataaatgc aattgtgctc ttcathtag atgcttcat tgtctttaag
1261 atgtgttagg aatgtcaaca gagcaaggag aaaaaaggca gtcttggat cacattctta
1321 gcacacctgc gcctcttgaa aatagaacaa ctgcagaat tgagagtgat tcttttcta
1381 aaagtgaag aaagcataga gattgttcg tattaagaat gggatcacga ggaaaagaga
1441 aggaaagtga ttttttcca caagatctga aatgatattt ccactataa aggaaataaa
1501 aaatgaaaaa cattatttgg atatcaaaag caaataaaaa cccaattcag tctcttctaa
1561 gcaaaattgc taaagagaga tgaccacatt ataaagtaat ctttggctaa ggcatttca
1621 tctttcttc ggttggcaaa atattttaa ggtaaaacat gctggtgaac cagggtgtg
1681 atggtgataa gggaggaata tagaatgaaa gactgaatct tctttgttg cacaaataga
1741 gtttggaata agcctgtgaa aggtgtcttc ttgacttaa tctttttaa agtatccaga
1801 gatactacaa tattaacata agaaaagatt atatattatt tctgaatcga gatgtccata
1861 gtcaaattg taaatcttat tctttgtaa tatttattta tatttattta tgacagtga
1921 cattctgatt ttacatgtaa aacaagaaaa gttgaagaag atatgtgaag aaaaatgtat
1981 ttttctaaa tagaaataaa tgatccatt ttttgt

CCGAGCGTGC

FIGURE 3B

(B)

PSVPAALPLL GELPRLLLL VLLCLPA VWGDCGLPPDVPNAQPAL

EGRTSFPEDTVITYKCEESFVKIPGEKDSVTCLKGMQWSDIEEFCNRSCEVPTRLNSA

SLKQPYITQNYFPVGTVVVEYECRPGYRREPSLSPKLTCLQNLKWSTAVEFCKKKSCPN

PGEIRNGQIDVPGGILFGATISFSCNTGYKLFGSTSSFCLISGSSVQWSDPLPECREI

YCPAPPQIDNGIIQGERDHYGYRQSVTYACNKGFTMIGEHSIYCTVNNDEGEWSGPPP

ECRGKSLTSKVPPTVQKPTTVNVPTTEVSPTSQKTTTKTTTPNAQATRSTPVSRTTKH

FHETTPNKGSGTTSGTTRLLSGHTCFTLTGLLGTLVTMGLLT

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FIGURE 4

(A)

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1  ccgctgggcg tagctgcgac tcggcggagc cccggcggcg cgtccttggt ctaaccggc
61  gcgccatgac cgtcgcgcg cgcgcgctgc cgcgcgctgc gcccctcctc ggggagctgc
121 cccggctgct gctgctggtg ctggtgtgcc tgccggccgt gtggggtgac tgtggccttc
181 cccagatgt acctaagtc cagccagctt tggaaggccg tacaagtttt cccgaggata
241 ctgtaataac gtacaaatgt gaagaaagct ttgtgaaaat tcctggcgag aaggactcag
301 tgatctgcct taagggcagc caatggctcag atattgaaga gttctgcaat cgtagctgcg
361 aggtgccaac aaggctaaat tctgcacccc tcaaacagcc ttatatcact cagaattatt
421 ttccagtcgg tactgttgtg gaatatgagt gccgtccagg ttacagaaga gaaccttctc
481 tatcaccaaa actaacttgc cttcagaatt taaaatgggt cacagcagtc gaattttgta
541 aaaagaaatc atgccctaata cggggagaaa tacgaaatgg tcagattgat gtaccagggtg
601 gcatattatt tgggtgcaacc atctccttct catgtaaacac agggtagaaa ttatttggct
661 cgacttctag tttttgtctt atttcaggca gctctgtcca gtggagtgc cgttgccag
721 agtgacagaga aatttattgt ccagcaccac cacaattga caatggaata attcaagggg
781 aacgtgacca ttatggatat agacagctctg taacgtatgc atgtaataaa ggattcacca
841 tgattggaga gcactctatt tattgtactg tgaataatga tgaaggagag tggagtggcc
901 caccacctga atgcagagga aaatctctaa cttccaaggt cccaccaaca gttcagaaac
961 ctaccacagt aaatgttcca actacagaag tctcaccaac ttctcagaaa accaccacaa
1021 aaaccaccac accaaatgct caagcaacac ggagtacacc tgtttccagg acaaccaagc
1081 attttcatga acaacccca aataaaggaa gtggaaccac ttcaggtact acccgtcttc
1141 tatctggttc tcgtcctgtc acccaggctg gtatgcggtg gtgtgatcgt agctcactgc
1201 agtctcgaa cctggggttc aagcgatcct tccacttcag cctcccaagt agctgggtact
1261 acagggcaca cgtgtttcac gttgacaggt ttgcttggga cgctagtaac catgggcttg
1321 ctgacttagc caaagaagag ttaagaagaa aatacacaca agtatacaga ctgttcctag
1381 tttcttagac ttatctgcat attggataaa ataaatgcaa ttgtgctctt catttaggat
1441 gctttcattg tctttaagat gtgttaggaa tgtcaacaga gcaaggagaa aaaaggcagt
1501 cctggaatca cattcttagc acacctacac ctcttgaaaa tagaacaact tgcagaattg
1561 agagtgattc ctttcctaaa agtgtaagaa agcatagaga tttgttcgta tttagaatgg
1621 gatcacgagg aaaagagaag gaaagtgatt tttttccaca agatctgtaa tgttatttcc
1681 acttataaag gaaataaaaa atgaaaaaca ttatttggat atcaaaagca aataaaaacc
1741 caattcagtc tcttctaagc aaaattgcta aagagagatg aaccacatta taaagtaatc
1801 tttggctgta aggcattttc atctttcctt cgggttggca aaatatattt aaggtaaaac
1861 atgctggtga accaggggtg ttgatggtga taagggagga atatagaatg aaagactgaa
1921 tcttcctttg ttgcacaaat agagtgtgga aaaagcctgt gaaaggtgtc ttctttgact
1981 taatgtcttt aaaagtatcc agagatacta caatattaac ataagaaaag attatatatt
2041 atttctgaat cgagatgtcc atagtcaaat ttgtaaatct tattcttttg taatatttat
2101 ttatatattt ttatgacagt gaacattctg attttacatg taaaacaaga aaagttgaag
2161 aagatatgtg aagaaaaatg tatttttctt aaatagaat aaatgatccc attttttggt

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(B)

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MTVARPSVPAALPLLGLPRLLLLVLLCLPAVWGDCGLPPDVPN

AQPALEGRTSFPEDTVITYKCEESFVKIPGEKDSVICLKGSQWSDIEEFCNRSCEVPT

RLNSASLKQPYITQNYFPVGTVVEYECRPGYRREPSLSPKLTCLQNLKWSTAVEFCKK

KSCPNPGEIRNGQIDVPGGILFGATISFSCNTGYKLFGSTSSFCLISGSSVQWSDPLP

ECREIYCPAPPQIDNGIIQGERDHYGYRQSVTYACNKGFTMIGEHSIYCTVNNDEGEW

SGPPPECRGKSLTSKVPPTVQKPTTVNVPTEVSPTSQKTTTKTTTPNAQATRSTPVS

RTTKHFHETTPNKGSGTTS GTTRLLSGHTCFTLTGLLGLVTMGLLT

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